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मानक

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Mazdoor Kisan Shakti Sangathan

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Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6720 (1972): Reference tables for platinum/30 percent rhodium-platinum/6 percent rhodium thermocouples [ETD 18: Industrial Process Measurement and Control]



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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS : 6720 – 1972
(Reaffirmed 2003)

Indian Standard

REFERENCE TABLES FOR
PLATINUM/30 PERCENT RHODIUM —
PLATINUM/6 PERCENT RHODIUM
THERMOCOUPLES

Third Reprint SEPTEMBER 2008
(Including Amendment No. 1)

UDC 536.532

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

AMENDMENT NO. 1 OCTOBER 1974
TO
**IS : 6720 - 1972 REFERENCE TABLES FOR PLATINUM/
30 PERCENT RHODIUM - PLATINUM/6 PERCENT
RHODIUM THERMOCOUPLES**

Addendum

(*Page 3, clause 2.2*) — Add the following new clause after 2.2:

' 3. TOLERANCES

3.1 The calibration of the thermocouple shall agree with the values given in Table 1 and Table 2 within the following tolerances:

<i>Temperature Range, °C</i>	<i>Tolerance</i>
0 to 600	$\pm 3^{\circ}\text{C}$
Above 600	$\pm 0.5 \text{ percent}$

(ETDC 48)

Indian Standard

REFERENCE TABLES FOR PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES

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Indian Standard
**REFERENCE TABLES FOR
PLATINUM/30 PERCENT RHODIUM —
PLATINUM/6 PERCENT RHODIUM
THERMOCOUPLES**

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 5 December 1972, after the draft finalized by the Electrical Instruments Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 In the preparation of this standard, assistance has been derived from GOST 3044-1961 'Thermocouple calibration tables at 0°C of free ends', issued by Komitet Standartov, Mer i Izmeritel'nyh Priborov pri Sovete Ministrov, USSR.

0.3 This standard is one of a series of Indian Standards on electrical instruments.

1. SCOPE

1.1 This standard gives the reference tables of emf-temperature relationship for platinum/30 percent rhodium — platinum/6 percent rhodium thermocouples.

2. REFERENCE TABLES

2.1 The reference tables for platinum/30 percent rhodium — platinum/6 percent rhodium thermocouples are given as follows:

Table 1 Degrees C *v* Millivolts

Table 2 Millivolts *v* Degrees C

2.2 Reference tables are based on the International Temperature Scale 1948 and the Absolute Volt.

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	0.000	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090	0.100	Milli-volts
Degrees C												
0.400	—	—	—	—	—	298.3	301.3	304.5	307.7	311.0	314.0	0.400
0.500	314.0	317.0	320.0	323.0	326.0	329.0	332.0	335.0	338.0	341.0	343.7	0.500
0.600	343.7	346.6	349.4	352.2	355.0	357.8	360.6	363.3	366.0	368.9	371.3	0.600
0.700	371.3	374.0	376.6	379.2	381.4	384.4	387.0	389.5	392.0	394.5	397.0	0.700
0.800	397.0	399.5	402.0	404.4	406.8	409.3	411.7	414.0	416.4	418.8	421.2	0.800
0.900	421.2	423.5	425.8	428.1	430.4	432.7	435.0	437.1	439.3	441.6	443.8	0.900
1.000	443.8	446.0	448.2	450.4	452.6	454.8	457.0	459.1	461.3	463.4	465.5	1.000
1.100	465.5	467.6	469.8	471.9	474.0	476.0	478.1	480.2	482.2	484.3	486.3	1.100
1.200	486.3	488.4	490.4	492.4	494.4	496.4	498.4	500.4	502.4	504.3	506.3	1.200
1.300	506.3	508.2	510.2	512.1	514.0	516.0	517.9	519.8	521.7	523.6	525.5	1.300
1.400	525.5	527.4	529.2	531.1	533.0	534.8	536.7	538.5	540.4	542.2	544.0	1.400
1.500	544.0	546.0	547.8	549.6	551.4	553.2	555.0	556.8	558.6	560.4	562.1	1.500
1.600	562.1	563.8	565.6	567.4	569.1	570.9	572.6	574.4	576.1	578.0	579.6	1.600
1.700	579.6	581.4	583.0	584.8	586.4	588.1	589.8	591.5	593.2	594.8	596.5	1.700
1.800	596.5	598.2	599.8	601.5	603.2	604.8	606.5	608.2	609.8	611.4	613.0	1.800
1.900	613.0	614.7	616.3	617.9	619.5	621.1	622.7	624.4	626.0	627.6	629.2	1.900
2.000	629.2	630.8	632.4	634.0	635.6	637.1	638.7	640.3	641.9	643.4	645.0	2.000

(Continued)

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	Degrees C											Milli-volts
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100	
2-000	629.2	630.8	632.4	634.0	635.6	637.1	638.7	640.3	641.9	643.4	645.0	2-000
2-100	645.0	646.6	648.1	649.7	651.2	652.7	654.2	655.8	657.3	658.8	660.3	2-100
2-200	660.3	661.8	663.3	664.8	666.4	667.9	669.4	670.9	672.4	674.0	675.5	2-200
2-300	675.5	677.0	678.5	680.0	681.5	683.0	684.4	685.9	687.4	688.8	690.3	2-300
2-400	690.3	691.7	693.2	694.6	696.1	697.5	699.0	700.4	701.9	703.3	704.8	2-400
2-500	704.8	706.2	707.7	709.1	710.6	712.0	713.4	714.8	716.2	717.6	719.0	2-500
2-600	719.0	720.4	721.8	723.2	724.6	726.0	727.5	728.9	730.3	731.7	733.0	2-600
2-700	733.0	734.4	735.8	737.2	738.6	740.0	741.4	742.7	744.1	745.5	746.8	2-700
2-800	746.8	748.2	749.6	751.0	752.3	753.6	755.0	756.4	757.7	759.0	760.4	2-800
2-900	760.4	761.7	763.1	764.4	765.7	767.1	768.4	769.7	771.0	772.4	773.7	2-900
3-000	773.7	775.0	776.3	777.6	779.0	780.3	781.6	782.9	784.2	785.5	786.8	3-000
3-100	786.8	788.2	789.5	790.8	792.1	793.4	794.7	796.0	797.3	798.6	799.9	3-100
3-200	799.9	801.2	802.4	803.7	805.0	806.3	807.6	808.8	810.2	811.5	812.8	3-200
3-300	812.8	814.1	815.3	816.6	817.8	819.0	820.2	821.5	822.8	824.0	825.2	3-300
3-400	825.2	826.5	827.8	829.0	830.2	831.5	832.7	834.0	835.2	836.4	837.7	3-400
3-500	837.7	838.9	840.1	841.1	842.6	843.8	845.1	846.3	847.5	848.8	850.0	3-500
3-600	850.0	851.2	852.4	853.7	854.9	856.1	857.3	858.5	859.8	861.0	862.2	3-600
3-700	862.2	863.4	864.6	865.8	867.0	868.2	869.4	870.6	871.8	873.0	874.2	3-700
3-800	874.2	875.4	876.6	877.7	878.8	880.1	881.3	882.5	883.6	884.8	886.0	3-800
3-900	886.0	887.2	888.4	889.5	890.7	891.9	893.1	894.2	895.4	896.6	897.8	3-900
4-000	897.8	899.0	900.1	901.3	902.5	903.6	904.8	905.9	907.1	908.3	909.4	4-000

(Continued)

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Cont'd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	Degrees C											Milli-volts
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100	
4-000	897.8	899.0	900.1	901.3	902.5	903.6	904.8	905.9	907.1	908.3	909.4	4-000
4-100	909.4	910.6	911.7	912.9	914.0	915.2	916.3	917.5	918.6	919.8	920.9	4-100
4-200	920.9	922.1	923.2	924.4	925.5	926.7	927.8	929.0	930.1	931.2	932.4	4-200
4-300	932.4	933.5	934.6	935.7	936.8	938.0	939.1	940.2	941.4	942.5	943.6	4-300
4-400	943.6	944.7	945.8	947.0	948.1	949.2	950.3	951.4	952.6	953.7	954.8	4-400
4-500	954.8	955.9	957.0	958.1	959.2	960.3	961.4	962.6	963.7	964.8	965.9	4-500
4-600	965.9	967.0	968.1	969.2	970.3	971.4	972.5	973.6	974.7	975.8	976.9	4-600
4-700	976.9	978.0	979.1	980.2	981.3	982.4	983.5	984.6	985.7	986.7	987.8	4-700
4-800	987.8	988.9	990.0	991.1	992.2	993.2	994.3	995.4	996.5	997.5	998.6	4-800
4-900	998.6	999.7	1000.8	1001.8	1002.9	1004.0	1005.0	1006.1	1007.2	1008.3	1009.4	4-900
5-000	1009.4	1010.4	1011.5	1012.6	1013.6	1014.7	1015.7	1016.8	1017.9	1018.9	1020.0	5-000
5-100	1020.0	1021.0	1022.1	1023.2	1024.2	1025.3	1026.3	1027.4	1028.4	1029.5	1030.5	5-100
5-200	1030.5	1031.6	1032.6	1033.7	1034.7	1035.8	1036.8	1037.9	1039.0	1040.0	1041.0	5-200
5-300	1041.0	1042.1	1043.1	1044.2	1045.2	1046.2	1047.3	1048.3	1049.4	1050.4	1051.4	5-300
5-400	1051.4	1052.5	1053.5	1054.5	1055.6	1056.6	1057.6	1058.6	1059.7	1060.7	1061.7	5-400
5-500	1061.7	1062.8	1063.8	1064.8	1065.8	1066.8	1067.8	1068.9	1069.9	1070.9	1071.9	5-500
5-600	1071.9	1073.0	1074.0	1075.0	1076.0	1077.0	1078.1	1079.1	1080.1	1081.1	1082.1	5-600
5-700	1082.1	1083.2	1084.2	1085.2	1086.2	1087.2	1088.3	1089.3	1090.3	1091.3	1092.3	5-700
5-800	1092.3	1093.3	1094.3	1095.4	1096.4	1097.4	1098.4	1099.4	1100.4	1101.4	1102.4	5-800
5-900	1102.4	1103.4	1104.4	1105.4	1106.4	1107.4	1108.4	1109.4	1110.4	1111.4	1112.4	5-900
6-000	1112.4	1113.4	1114.4	1115.3	1116.3	1117.3	1118.3	1119.3	1120.3	1121.3	1122.3	6-000

(Continued)

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	Degrees C											Milli-volts
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100	
6-000	1 112.4	1 113.4	1 114.4	1 115.3	1 116.3	1 117.3	1 118.3	1 119.3	1 120.3	1 121.3	1 122.3	6-000
6-100	1 122.3	1 123.3	1 124.3	1 125.2	1 126.2	1 127.2	1 128.2	1 129.2	1 130.2	1 131.2	1 132.2	6-100
6-200	1 132.2	1 133.1	1 134.1	1 135.1	1 136.1	1 137.0	1 138.0	1 139.0	1 140.0	1 141.0	1 142.0	6-200
6-300	1 142.0	1 142.9	1 143.9	1 144.9	1 145.9	1 146.9	1 147.8	1 148.8	1 149.8	1 150.8	1 151.7	6-300
6-400	1 151.7	1 152.7	1 153.7	1 154.7	1 155.6	1 156.6	1 157.6	1 158.5	1 159.5	1 160.5	1 161.4	6-400
6-500	1 161.4	1 162.4	1 163.4	1 164.4	1 165.3	1 166.3	1 167.3	1 168.2	1 169.2	1 170.2	1 171.2	6-500
6-600	1 171.2	1 172.1	1 173.1	1 174.0	1 175.0	1 176.0	1 176.9	1 177.9	1 178.8	1 179.8	1 180.8	6-600
6-700	1 180.8	1 181.7	1 182.7	1 183.6	1 184.6	1 185.5	1 186.5	1 187.4	1 188.4	1 189.3	1 190.3	6-700
6-800	1 190.3	1 191.2	1 192.2	1 193.1	1 194.1	1 195.0	1 196.0	1 197.0	1 197.9	1 198.9	1 199.8	6-800
6-900	1 199.8	1 200.8	1 201.7	1 202.6	1 203.6	1 204.5	1 205.5	1 206.4	1 207.4	1 208.8	1 209.2	6-900
7-000	1 209.2	1 210.2	1 211.1	1 212.1	1 213.0	1 214.0	1 214.9	1 215.8	1 216.8	1 217.7	1 218.7	7-000
7-100	1 218.7	1 219.6	1 220.6	1 221.5	1 222.4	1 223.4	1 224.3	1 225.2	1 226.2	1 227.1	1 228.0	7-100
7-200	1 228.0	1 229.0	1 229.9	1 230.8	1 231.8	1 232.7	1 233.6	1 234.6	1 235.5	1 236.4	1 237.4	7-200
7-300	1 237.4	1 238.3	1 239.2	1 240.2	1 241.1	1 242.0	1 243.0	1 243.9	1 244.8	1 245.7	1 246.7	7-300
7-400	1 246.7	1 247.6	1 248.5	1 249.4	1 250.0	1 251.3	1 252.2	1 253.1	1 254.1	1 255.0	1 255.9	7-400
7-500	1 255.9	1 256.8	1 257.8	1 258.7	1 259.6	1 260.6	1 261.5	1 262.4	1 263.3	1 264.2	1 265.1	7-500
7-600	1 265.1	1 266.1	1 267.0	1 267.9	1 268.8	1 269.7	1 270.6	1 271.6	1 272.5	1 273.4	1 274.3	7-600
7-700	1 274.3	1 275.2	1 276.1	1 277.1	1 278.0	1 278.9	1 279.8	1 280.7	1 281.6	1 282.5	1 283.4	7-700
7-800	1 283.4	1 284.4	1 285.3	1 286.2	1 287.1	1 288.0	1 288.9	1 289.8	1 290.7	1 291.7	1 292.5	7-800
7-900	1 292.5	1 293.4	1 294.4	1 295.3	1 296.2	1 297.1	1 298.0	1 298.9	1 299.8	1 300.7	1 301.6	7-900
8-000	1 301.6	1 302.5	1 303.4	1 304.3	1 305.2	1 306.1	1 307.0	1 307.9	1 308.8	1 309.7	1 310.6	8-000

(Continued)

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute): Temperatures in °C. Reference junction at 0°C.]

mV Li- VOLTS	Degrees C										mV Li- VOLTS
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100
8-000	1 301.6	1 302.5	1 303.4	1 304.3	1 305.2	1 306.1	1 307.0	1 307.9	1 308.8	1 309.7	1 310.6
8-100	1 310.6	1 311.5	1 312.4	1 313.3	1 314.2	1 315.1	1 316.0	1 316.9	1 317.8	1 318.7	1 319.6
8-200	1 319.6	1 320.5	1 321.4	1 322.3	1 323.2	1 324.1	1 325.0	1 325.9	1 326.8	1 327.7	1 328.6
8-300	1 328.6	1 329.6	1 330.4	1 331.3	1 332.2	1 333.1	1 334.0	1 334.9	1 335.8	1 336.7	1 337.6
8-400	1 337.6	1 338.5	1 339.4	1 340.3	1 341.2	1 342.0	1 342.9	1 343.8	1 344.7	1 345.6	1 346.5
8-500	1 346.5	1 347.3	1 348.2	1 349.1	1 350.0	1 350.9	1 351.8	1 352.6	1 353.5	1 354.4	1 355.3
8-600	1 355.3	1 356.2	1 357.1	1 358.0	1 358.9	1 359.7	1 360.6	1 361.5	1 362.4	1 363.3	1 364.2
8-700	1 364.2	1 365.0	1 365.9	1 366.8	1 367.7	1 368.6	1 369.5	1 370.4	1 371.2	1 372.1	1 373.0
8-800	1 373.0	1 373.9	1 374.7	1 375.6	1 376.5	1 377.4	1 378.2	1 379.1	1 380.0	1 380.9	1 381.8
8-900	1 381.8	1 382.6	1 383.5	1 384.4	1 385.3	1 386.1	1 387.0	1 387.9	1 388.8	1 389.6	1 390.5
9-000	1 390.5	1 391.4	1 392.3	1 393.1	1 394.0	1 394.9	1 395.7	1 396.6	1 397.5	1 398.3	1 399.2
9-100	1 399.2	1 400.1	1 401.0	1 401.8	1 402.7	1 403.6	1 404.4	1 405.3	1 406.2	1 407.0	1 407.9
9-200	1 407.9	1 408.8	1 409.6	1 410.5	1 411.4	1 412.3	1 413.1	1 414.0	1 414.9	1 415.7	1 416.6
9-300	1 416.6	1 417.5	1 418.3	1 419.2	1 420.1	1 420.9	1 421.8	1 422.7	1 423.5	1 424.4	1 425.2
9-400	1 425.2	1 426.1	1 427.0	1 427.8	1 428.7	1 429.6	1 430.4	1 431.3	1 432.2	1 433.0	1 433.9
9-500	1 433.9	1 434.7	1 435.6	1 436.5	1 437.3	1 438.2	1 439.0	1 439.9	1 440.7	1 441.6	1 442.5
9-600	1 442.5	1 443.4	1 444.2	1 445.1	1 445.9	1 446.8	1 447.7	1 448.5	1 449.4	1 450.2	1 451.1
9-700	1 451.1	1 452.0	1 452.8	1 453.7	1 454.5	1 455.4	1 456.2	1 457.1	1 457.9	1 458.8	1 459.7
9-800	1 459.7	1 460.5	1 461.4	1 462.2	1 463.1	1 463.9	1 464.8	1 465.6	1 466.5	1 467.4	1 468.2
9-900	1 468.2	1 469.1	1 469.9	1 470.8	1 471.6	1 472.5	1 473.3	1 474.2	1 475.0	1 475.9	1 476.8
10-000	1 476.8	1 477.6	1 478.5	1 479.3	1 480.2	1 481.0	1 481.9	1 482.7	1 483.6	1 484.4	1 485.3

(Continued)

TABLE 1 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	Degrees C											Milli-volts
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100	
10-000	1 476.8	1 477.6	1 478.5	1 479.3	1 480.2	1 481.0	1 481.9	1 482.7	1 483.6	1 484.4	1 485.3	10-000
10-100	1 485.3	1 486.1	1 486.9	1 487.8	1 488.6	1 489.5	1 490.3	1 491.2	1 492.0	1 492.9	1 493.7	10-100
10-200	1 493.7	1 494.6	1 495.4	1 496.3	1 497.1	1 498.0	1 498.8	1 499.7	1 500.5	1 501.4	1 502.2	10-200
10-300	1 502.2	1 503.0	1 503.9	1 504.7	1 505.6	1 506.4	1 507.3	1 508.1	1 509.0	1 509.8	1 510.7	10-300
10-400	1 510.7	1 511.5	1 512.4	1 513.2	1 514.0	1 514.9	1 515.7	1 516.6	1 517.4	1 518.3	1 519.2	10-400
10-500	1 519.2	1 520.0	1 520.7	1 521.6	1 522.4	1 523.3	1 524.1	1 525.0	1 525.8	1 526.6	1 527.5	10-500
10-600	1 527.5	1 528.3	1 529.2	1 530.0	1 530.8	1 531.7	1 532.5	1 533.4	1 534.2	1 535.0	1 535.9	10-600
10-700	1 535.9	1 536.7	1 537.6	1 538.4	1 539.2	1 540.1	1 540.9	1 541.7	1 542.6	1 543.4	1 544.2	10-700
10-800	1 544.2	1 545.0	1 545.9	1 546.8	1 547.6	1 548.4	1 549.2	1 550.1	1 550.9	1 551.7	1 552.6	10-800
10-900	1 552.6	1 553.4	1 554.2	1 555.1	1 555.9	1 556.8	1 557.6	1 558.4	1 559.2	1 560.1	1 560.9	10-900
11-000	1 560.9	1 561.7	1 562.6	1 563.4	1 564.2	1 565.1	1 565.9	1 566.8	1 567.6	1 568.4	1 569.2	11-000
11-100	1 569.2	1 570.1	1 570.9	1 571.9	1 572.6	1 573.4	1 574.2	1 575.1	1 575.9	1 576.8	1 577.6	11-100
11-200	1 577.6	1 578.4	1 579.2	1 580.1	1 580.9	1 581.7	1 582.6	1 583.4	1 584.2	1 585.0	1 585.9	11-200
11-300	1 585.9	1 586.7	1 587.5	1 588.3	1 589.2	1 590.0	1 590.8	1 591.6	1 592.5	1 593.3	1 594.1	11-300
11-400	1 594.1	1 595.0	1 595.8	1 596.6	1 597.4	1 598.3	1 599.1	1 599.9	1 600.7	1 601.6	1 602.4	11-400
11-500	1 602.4	1 603.2	1 604.0	1 604.9	1 605.7	1 606.8	1 607.4	1 608.2	1 609.0	1 609.8	1 610.7	11-500
11-600	1 610.7	1 611.5	1 612.3	1 613.5	1 614.0	1 614.8	1 615.6	1 616.4	1 617.3	1 618.1	1 618.9	11-600
11-700	1 618.9	1 619.7	1 620.6	1 621.4	1 622.2	1 623.1	1 623.7	1 624.7	1 625.5	1 626.4	1 627.2	11-700
11-800	1 627.2	1 628.0	1 628.8	1 629.7	1 630.5	1 631.3	1 632.1	1 633.0	1 633.8	1 634.6	1 635.4	11-800
11-900	1 635.4	1 636.2	1 637.0	1 637.9	1 638.7	1 639.5	1 640.3	1 641.1	1 642.0	1 642.8	1 643.6	11-900
12-000	1 643.6	1 644.4	1 645.2	1 646.1	1 646.9	1 647.7	1 648.5	1 649.3	1 650.2	1 651.0	1 651.8	12-000

(Continued)

TABLE 1 PLATINUM/90 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

Milli-volts	Degrees C											Milli-volts
	0-000	0-010	0-020	0-030	0-040	0-050	0-060	0-070	0-080	0-090	0-100	
12-000	1 649.6	1 644.4	1 645.2	1 646.1	1 646.9	1 647.7	1 648.5	1 649.3	1 650.2	1 651.0	1 651.8	12-000
12-100	1 651.8	1 652.6	1 653.4	1 654.3	1 655.1	1 655.9	1 656.7	1 657.5	1 658.4	1 659.2	1 660.0	12-100
12-200	1 660.0	1 660.8	1 661.6	1 662.4	1 663.2	1 664.1	1 664.9	1 665.7	1 666.5	1 667.3	1 668.1	12-200
12-300	1 668.1	1 668.9	1 669.8	1 670.6	1 671.4	1 672.2	1 673.0	1 673.8	1 674.7	1 675.5	1 676.3	12-300
12-400	1 676.3	1 677.1	1 678.0	1 678.8	1 679.6	1 680.4	1 681.2	1 682.0	1 682.8	1 683.7	1 684.5	12-400
12-500	1 684.5	1 685.3	1 686.1	1 686.9	1 687.7	1 688.5	1 689.3	1 690.2	1 691.0	1 691.8	1 692.6	12-500
12-600	1 692.6	1 693.4	1 694.2	1 695.0	1 695.8	1 696.7	1 697.5	1 698.3	1 699.1	1 699.9	1 700.7	12-600
12-700	1 700.7	1 701.5	1 702.4	1 703.2	1 704.0	1 704.8	1 705.6	1 706.4	1 707.2	1 708.0	1 708.9	12-700
12-800	1 708.9	1 709.7	1 710.5	1 711.3	1 712.1	1 712.9	1 713.7	1 714.6	1 715.4	1 716.2	1 717.0	12-800
12-900	1 717.0	1 717.8	1 718.6	1 719.4	1 720.2	1 721.0	1 721.9	1 722.7	1 723.5	1 724.3	1 725.1	12-900
13-000	1 725.1	1 725.9	1 726.7	1 727.6	1 728.4	1 729.2	1 730.0	1 730.8	1 731.6	1 732.4	1 733.2	13-000
13-100	1 733.2	1 734.0	1 734.8	1 735.6	1 736.4	1 737.2	1 738.1	1 738.9	1 739.7	1 740.5	1 741.3	13-100
13-200	1 741.3	1 742.1	1 742.9	1 743.7	1 744.6	1 745.4	1 746.2	1 747.0	1 747.8	1 748.6	1 749.4	13-200
13-300	1 749.4	1 750.2	1 751.0	1 751.8	1 752.7	1 753.5	1 754.3	1 755.1	1 755.9	1 756.7	1 757.5	13-300
13-400	1 757.5	1 758.3	1 759.1	1 759.9	1 760.7	1 761.5	1 762.3	1 763.1	1 764.0	1 764.8	1 765.6	13-400
13-500	1 765.6	1 766.4	1 767.2	1 768.0	1 768.8	1 769.6	1 770.4	1 771.2	1 772.0	1 772.8	1 773.6	13-500
13-600	1 773.6	1 774.4	1 775.2	1 776.0	1 776.8	1 777.6	1 778.5	1 779.3	1 780.1	1 780.9	1 781.7	13-600
13-700	1 781.7	1 782.5	1 783.3	1 784.1	1 784.9	1 785.7	1 786.5	1 787.3	1 788.1	1 789.0	1 789.8	13-700
13-800	1 789.8	1 790.6	1 791.4	1 792.2	1 793.0	1 793.8	1 794.6	1 795.4	1 796.2	1 797.0	1 797.8	13-800
13-900	1 797.8	1 798.6	1 799.4	1 800.2	—	—	—	—	—	—	—	13-900

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
	Millivolts											
300	0.456	0.459	0.462	0.465	0.468	0.471	0.475	0.478	0.481	0.484	0.487	300
310	0.487	0.490	0.494	0.497	0.500	0.503	0.507	0.510	0.513	0.517	0.520	310
320	0.520	0.523	0.527	0.530	0.533	0.536	0.540	0.543	0.546	0.550	0.553	320
330	0.553	0.556	0.560	0.563	0.567	0.570	0.573	0.577	0.580	0.584	0.587	330
340	0.587	0.590	0.594	0.597	0.601	0.604	0.608	0.611	0.615	0.618	0.622	340
350	0.622	0.625	0.629	0.633	0.636	0.640	0.644	0.647	0.651	0.654	0.658	350
360	0.658	0.662	0.665	0.669	0.673	0.676	0.680	0.684	0.688	0.691	0.695	360
370	0.695	0.699	0.703	0.706	0.710	0.714	0.718	0.722	0.725	0.729	0.733	370
380	0.733	0.737	0.741	0.745	0.749	0.752	0.756	0.760	0.764	0.768	0.772	380
390	0.772	0.776	0.780	0.784	0.788	0.792	0.796	0.800	0.804	0.808	0.812	390
400	0.812	0.816	0.820	0.824	0.828	0.832	0.837	0.841	0.845	0.849	0.853	400
410	0.853	0.857	0.861	0.866	0.870	0.874	0.878	0.882	0.887	0.891	0.895	410
420	0.895	0.899	0.904	0.908	0.912	0.916	0.921	0.925	0.929	0.934	0.938	420
430	0.938	0.942	0.947	0.951	0.956	0.960	0.965	0.969	0.974	0.978	0.983	430
440	0.983	0.987	0.992	0.996	1.001	1.005	1.010	1.014	1.019	1.023	1.028	440
450	1.028	1.033	1.037	1.042	1.046	1.051	1.056	1.060	1.065	1.069	1.074	450
460	1.074	1.079	1.083	1.088	1.093	1.097	1.102	1.107	1.112	1.116	1.121	460
470	1.121	1.126	1.131	1.135	1.140	1.145	1.150	1.155	1.159	1.164	1.169	470
480	1.169	1.174	1.179	1.184	1.189	1.193	1.198	1.203	1.208	1.213	1.218	480
490	1.218	1.223	1.228	1.233	1.238	1.243	1.248	1.253	1.258	1.263	1.268	490
500	1.268	1.273	1.278	1.283	1.288	1.293	1.299	1.304	1.309	1.314	1.319	500

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM
THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
Millivolts												
500	1·268	1·273	1·278	1·283	1·288	1·293	1·299	1·304	1·309	1·314	1·319	500
510	1·319	1·324	1·329	1·335	1·340	1·345	1·350	1·355	1·361	1·366	1·371	510
520	1·371	1·376	1·382	1·387	1·392	1·397	1·403	1·408	1·413	1·419	1·424	520
530	1·424	1·429	1·435	1·440	1·446	1·451	1·456	1·462	1·467	1·473	1·478	530
540	1·478	1·483	1·489	1·494	1·500	1·505	1·510	1·516	1·521	1·527	1·532	540
550	1·532	1·538	1·543	1·549	1·554	1·560	1·566	1·571	1·577	1·582	1·588	550
560	1·588	1·594	1·599	1·605	1·611	1·616	1·622	1·628	1·634	1·639	1·645	560
570	1·645	1·651	1·656	1·662	1·668	1·673	1·679	1·685	1·691	1·696	1·702	570
580	1·702	1·708	1·714	1·720	1·726	1·731	1·737	1·743	1·749	1·755	1·761	580
590	1·761	1·767	1·773	1·779	1·785	1·791	1·797	1·803	1·809	1·815	1·821	590
600	1·821	1·827	1·833	1·839	1·845	1·851	1·857	1·863	1·869	1·875	1·881	600
610	1·881	1·887	1·893	1·900	1·906	1·912	1·918	1·924	1·931	1·937	1·943	610
620	1·943	1·949	1·955	1·962	1·968	1·974	1·980	1·986	1·993	1·999	2·005	620
630	2·005	2·011	2·018	2·024	2·030	2·036	2·043	2·049	2·055	2·062	2·068	630
640	2·068	2·074	2·081	2·087	2·094	2·100	2·106	2·113	2·119	2·126	2·132	640
650	2·132	2·139	2·145	2·152	2·158	2·165	2·172	2·178	2·185	2·191	2·198	650
660	2·198	2·205	2·211	2·218	2·224	2·231	2·238	2·244	2·251	2·257	2·264	660
670	2·264	2·271	2·277	2·284	2·290	2·297	2·304	2·310	2·317	2·323	2·330	670
680	2·330	2·337	2·344	2·350	2·357	2·364	2·371	2·377	2·384	2·391	2·398	680
690	2·398	2·405	2·412	2·419	2·426	2·432	2·439	2·446	2·453	2·460	2·467	690
700	2·467	2·474	2·481	2·488	2·495	2·501	2·508	2·515	2·522	2·529	2·536	700

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
	Millivolts											
700	2·467	2·474	2·481	2·488	2·495	2·501	2·508	2·515	2·522	2·529	2·536	700
710	2·536	2·543	2·550	2·557	2·564	2·571	2·579	2·586	2·593	2·600	2·607	710
720	2·607	2·614	2·621	2·628	2·635	2·642	2·650	2·657	2·664	2·671	2·678	720
730	2·678	2·685	2·692	2·700	2·707	2·714	1·721	2·728	2·736	2·743	2·750	730
740	2·750	2·757	2·765	2·772	2·779	2·786	2·794	2·801	2·808	2·816	2·823	740
750	2·823	2·830	2·838	2·845	2·853	2·860	2·867	2·875	2·882	2·890	2·897	750
760	2·897	2·904	2·912	2·919	2·927	2·934	2·942	2·949	2·957	2·964	2·972	760
770	2·972	2·980	2·987	2·995	3·002	3·010	3·018	3·025	3·033	3·040	3·048	770
780	3·048	3·056	3·063	3·071	3·078	3·086	3·094	3·101	3·109	3·116	3·124	780
790	3·124	3·132	3·139	3·147	3·155	3·162	3·170	3·178	3·186	3·193	3·201	790
800	3·201	3·209	3·217	3·224	3·232	3·240	3·248	3·256	3·263	3·271	3·279	800
810	3·279	3·287	3·295	3·303	3·311	3·318	3·326	3·334	3·342	3·350	3·358	810
820	3·358	3·366	3·374	3·382	3·390	3·398	3·406	3·414	3·422	3·430	3·438	820
830	3·438	3·446	3·454	3·462	3·470	3·478	3·487	3·495	3·503	3·511	3·519	830
840	3·519	3·527	3·535	3·543	3·551	3·559	3·568	3·576	3·584	3·592	3·600	840
850	3·600	3·608	3·616	3·625	3·633	3·641	3·649	3·657	3·666	3·674	3·682	850
860	3·682	3·690	3·699	3·707	3·715	3·723	3·732	3·740	3·748	3·757	3·765	860
870	3·765	3·773	3·782	3·790	3·799	3·807	3·815	3·824	3·832	3·841	3·849	870
880	3·849	3·857	3·866	3·874	3·883	3·891	3·900	3·908	3·917	3·925	3·934	880
890	3·934	3·942	3·951	3·959	3·968	3·976	3·985	3·993	4·002	4·010	4·019	890
900	4·019	4·028	4·036	4·045	4·053	4·062	4·071	4·079	4·088	4·096	4·105	900

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM
THERMOCOUPLES — Cold

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
Millivolts												
900	4-019	4-028	4-036	4-045	4-053	4-062	4-071	4-079	4-088	4-096	4-105	900
910	4-105	4-114	4-122	4-131	4-140	4-148	4-157	4-166	4-175	4-183	4-192	910
920	4-192	4-201	4-209	4-218	4-227	4-235	4-244	4-253	4-262	4-270	4-279	920
930	4-279	4-288	4-297	4-306	4-315	4-323	4-332	4-341	4-350	4-359	4-368	930
940	4-368	4-377	4-386	4-395	4-404	4-412	4-421	4-430	4-439	4-448	4-457	940
950	4-457	4-466	4-475	4-484	4-493	4-502	4-511	4-520	4-529	4-538	4-547	950
960	4-547	4-556	4-565	4-574	4-583	4-592	4-601	4-610	4-619	4-628	4-637	960
970	4-637	4-646	4-655	4-664	4-673	4-682	4-692	4-701	4-710	4-719	4-728	970
980	4-728	4-737	4-746	4-756	4-765	4-774	4-783	4-792	4-802	4-811	4-820	980
990	4-820	4-829	4-839	4-848	4-857	4-866	4-876	4-885	4-894	4-904	4-913	990
1 000	4-913	4-922	4-932	4-941	4-950	4-959	4-969	4-978	4-987	4-997	5-006	1 000
1 010	5-006	5-015	5-025	5-034	5-044	5-052	5-062	5-072	5-081	5-091	5-100	1 010
1 020	5-100	5-109	5-119	5-128	5-138	5-147	5-157	5-166	5-176	5-185	5-195	1 020
1 030	5-195	5-204	5-214	5-223	5-233	5-242	5-252	5-261	5-271	5-280	5-290	1 030
1 040	5-290	5-300	5-309	5-319	5-328	5-338	5-348	5-357	5-367	5-376	5-386	1 040
1 050	5-386	5-396	5-405	5-415	5-425	5-434	5-444	5-454	5-464	5-473	5-483	1 050
1 060	5-483	5-493	5-503	5-512	5-522	5-532	5-542	5-552	5-561	5-571	5-581	1 060
1 070	5-581	5-591	5-601	5-610	5-620	5-630	5-640	5-650	5-659	5-669	5-679	1 070
1 080	5-679	5-689	5-699	5-708	5-718	5-728	5-738	5-748	5-757	5-767	5-777	1 080
1 090	5-777	5-787	5-797	5-807	5-817	5-826	5-836	5-846	5-856	5-866	5-876	1 090
1 100	5-876	5-886	5-896	5-906	5-916	5-926	5-936	5-946	5-956	5-966	5-976	1 100

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
	Millivolts											
1 100	5·876	5·886	5·896	5·906	5·916	5·926	5·936	5·946	5·956	5·966	5·976	1 100
1 110	5·976	5·986	5·996	6·006	6·016	6·026	6·037	6·047	6·057	6·067	6·077	1 110
1 120	6·077	6·087	6·097	6·107	6·117	6·127	6·138	6·148	6·158	6·168	6·178	1 120
1 130	6·178	6·188	6·198	6·209	6·219	6·229	6·239	6·249	6·260	6·270	6·280	1 130
1 140	6·280	6·290	6·300	6·311	6·321	6·331	6·341	6·351	6·362	6·372	6·382	1 140
1 150	6·382	6·392	6·403	6·413	6·423	6·433	6·444	6·454	6·464	6·475	6·485	1 150
1 160	6·485	6·495	6·506	6·516	6·526	6·536	6·547	6·557	6·567	6·578	6·588	1 160
1 170	6·588	6·598	6·609	6·619	6·630	6·640	6·650	6·661	6·671	6·682	6·692	1 170
1 180	6·692	6·702	6·713	6·723	6·734	6·744	6·755	6·765	6·776	6·786	6·797	1 180
1 190	6·797	6·807	6·818	6·828	6·839	6·849	6·860	6·870	6·881	6·891	6·902	1 190
1 200	6 902	6·913	6·923	6·934	6·944	6·955	6·966	6·976	6·987	6·997	7·008	1 200
1 210	7·008	7·019	7·029	7·040	7·050	7·061	7·072	7·082	7·093	7·103	7·114	1 210
1 220	7·114	7·125	7·135	7·146	7·157	7·167	7·178	7·189	7·200	7·210	7·221	1 220
1 230	7·221	7·232	7·242	7·253	7·264	7 274	7·285	7·296	7·307	7·317	7·328	1 230
1 240	7·328	7·339	7·350	7·360	7·371	7·382	7·393	7·404	7·414	7·425	7·436	1 240
1 250	7·436	7·447	7·458	7·468	7·479	7·490	7·501	7·512	7·522	7·533	7·544	1 250
1 260	7·544	7·555	7·566	7·577	7·588	7·598	7·609	7·620	7·631	7·642	7·653	1 260
1 270	7·653	7·664	7·675	7·686	7·697	7·707	7·718	7·729	7·740	7·751	7·762	1 270
1 280	7·762	7·773	7·784	7·795	7·806	7·817	7·828	7·839	7·850	7·861	7·872	1 280
1 290	7·872	7·883	7·894	7·905	7·916	7·927	7·938	7·949	7·960	7·971	7·982	1 290
1 300	7·982	7·993	8·004	8·015	8·026	8·037	8·049	8·060	8·071	8·082	8·093	1 300

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM - PLATINUM/6 PERCENT RHODIUM
THERMOCOUPLES — *Contd*

[Electromotive force in millivolts (Absolute) ; Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
Millivolts												
1 300	7-982	7-993	8-004	8-015	8-026	8-037	8-049	8-060	8-071	8-082	8-093	1 300
1 310	8-093	8-104	8-115	8-126	8-137	8-148	8-160	8-171	8-182	8-193	8-204	1 310
1 320	8-204	8-215	8-226	8-237	8-248	8-259	8-271	8-282	8-293	8-304	8-315	1 320
1 330	8-315	8-326	8-337	8-349	8-360	8-371	8-382	8-393	8-405	8-416	8-427	1 330
1 340	8-427	8-438	8-450	8-461	8-472	8-483	8-495	8-506	8-517	8-529	8-540	1 340
1 350	8-540	8-551	8-563	8-574	8-585	8-596	8-608	8-619	8-630	8-642	8-653	1 350
1 360	8-653	8-664	8-676	8-687	8-698	8-709	8-721	8-732	8-743	8-755	8-766	1 360
1 370	8-766	8-777	8-789	8-800	8-812	8-823	8-834	8-846	8-857	8-869	8-880	1 370
1 380	8-880	8-891	8-903	8-914	8-926	8-937	8-948	8-960	8-971	8-983	8-994	1 380
1 390	8-994	9-005	9-017	9-028	9-040	9-051	9-063	9-074	9-086	9-097	9-109	1 390
1 400	9-109	9-120	9-132	9-143	9-155	9-166	9-178	9-189	9-201	9-212	9-224	1 400
1 410	9-224	9-235	9-247	9-258	9-270	9-281	9-293	9-304	9-316	9-327	9-339	1 410
1 420	9-339	9-351	9-362	9-374	9-385	9-397	9-409	9-420	9-432	9-443	9-455	1 420
1 430	9-455	9-467	9-478	9-490	9-501	9-513	9-525	9-536	9-548	9-559	9-571	1 430
1 440	9-571	9-583	9-594	9-606	9-617	9-629	9-641	9-652	9-664	9-675	9-687	1 440
1 450	9-687	9-699	9-710	9-722	9-734	9-745	9-757	9-769	9-781	9-792	9-804	1 450
1 460	9-804	9-816	9-827	9-839	9-851	9-862	9-874	9-886	9-898	9-909	9-921	1 460
1 470	9-921	9-933	9-944	9-956	9-968	9-979	9-991	10-003	10-015	10-026	10-038	1 470
1 480	10-038	10-050	10-062	10-073	10-085	10-097	10-109	10-121	10-132	10-144	10-156	1 480
1 490	10-156	10-168	10-180	10-191	10-203	10-215	10-227	10-239	10-250	10-262	10-274	1 490
1 500	10-274	10-286	10-298	10-309	10-321	10-333	10-345	10-357	10-368	10-380	10-392	1 500

(Continued)

TABLE 2 PLATINUM 30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — Contd

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
	Millivolts											
1 500	10-274	10-286	10-298	10-309	10-321	10-333	10-345	10-357	10-368	10-380	10-392	1 500
1 510	10-392	10-404	10-416	10-428	10-440	10-451	10-463	10-475	10-487	10-499	10-511	1 510
1 520	10-511	10-523	10-535	10-547	10-559	10-570	10-582	10-594	10-606	10-618	10-630	1 520
1 530	10-630	10-642	10-654	10-666	10-678	10-689	10-701	10-713	10-725	10-737	10-749	1 530
1 540	10-749	10-761	10-773	10-785	10-797	10-809	10-821	10-833	10-845	10-857	10-869	1 540
1 550	10-869	10-881	10-893	10-905	10-917	10-929	10-941	10-953	10-965	10-977	10-989	1 550
1 560	10-989	11-001	11-013	11-025	11-037	11-049	11-061	11-073	11-085	11-097	11-109	1 560
1 570	11-109	11-121	11-133	11-145	11-157	11-169	11-181	11-193	11-205	11-217	11-229	1 570
1 580	11-229	11-241	11-253	11-265	11-277	11-289	11-302	11-314	11-326	11-338	11-350	1 580
1 590	11-350	11-362	11-374	11-386	11-398	11-410	11-423	11-435	11-447	11-459	11-471	1 590
1 600	11-471	11-483	11-495	11-507	11-519	11-531	11-544	11-556	11-568	11-580	11-592	1 600
1 610	11-592	11-604	11-616	11-628	11-640	11-652	11-665	11-677	11-689	11-701	11-713	1 610
1 620	11-713	11-725	11-737	11-749	11-761	11-773	11-786	11-798	11-810	11-822	11-834	1 620
1 630	11-834	11-846	11-858	11-871	11-883	11-895	11-907	11-919	11-932	11-944	11-956	1 630
1 640	11-956	11-968	11-980	11-993	12-005	12-017	12-029	12-041	12-054	12-066	12-078	1 640
1 650	12-078	12-090	12-108	12-115	12-127	12-139	12-151	12-163	12-176	12-188	12-200	1 650
1 660	12-200	12-212	12-225	12-237	12-249	12-261	12-274	12-286	12-298	12-311	12-323	1 660
1 670	12-323	12-335	12-347	12-360	12-372	12-384	12-396	12-408	12-421	12-433	12-445	1 670
1 680	12-445	12-457	12-470	12-482	12-494	12-506	12-519	12-531	12-543	12-556	12-568	1 680
1 690	12-568	12-580	12-598	12-605	12-617	12-629	12-642	12-654	12-666	12-679	12-691	1 690
1 700	12-691	12-703	12-716	12-728	12-740	12-752	12-765	12-777	12-789	12-802	12-814	1 700

(Continued)

TABLE 2 PLATINUM/30 PERCENT RHODIUM — PLATINUM/6 PERCENT RHODIUM THERMOCOUPLES — *Contd.*

[Electromotive force in millivolts (Absolute). Temperatures in °C. Reference junction at 0°C.]

°C	0	1	2	3	4	5	6	7	8	9	10	°C
Millivolts												
1 700	12-691	12-703	12-716	12-728	12-740	12-752	12-765	12-777	12-789	12-802	12-814	1 700
1 710	12-814	12-826	12-839	12-851	12-863	12-875	12-888	12-900	12-912	12-925	12-937	1 710
1 720	12-937	12-949	12-962	12-974	12-986	12-998	13-011	13-023	13-035	13-048	13-060	1 720
1 730	13-060	13-072	13-085	13-097	13-110	13-122	13-134	13-147	13-159	13-172	13-184	1 730
1 740	13-184	13-196	13-209	13-221	13-233	13-245	13-258	13-270	13-282	13-295	13-307	1 740
1 750	13-307	13-319	13-332	13-344	13-357	13-369	13-381	13-394	13-406	13-419	13-431	1 750
1 760	13-431	13-443	13-456	13-468	13-481	13-493	13-505	13-518	13-530	13-543	13-555	1 760
1 770	13-555	13-567	13-580	13-592	13-605	13-617	13-629	13-642	13-654	13-667	13-679	1 770
1 780	13-679	13-691	13-704	13-716	13-728	13-741	13-753	13-766	13-778	13-791	13-803	1 780
1 790	13-803	13-815	13-828	13-840	13-853	13-865	13-877	13-890	13-902	13-915	13-927	1 790
1 800	13-927	—	—	—	—	—	—	—	—	—	—	1 800

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560 1348

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242 3452

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240 3139

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221 0141

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229 2175

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286 1498

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245 6508

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2320 1084

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222 3282

11/418 B, Sarvodaya Nagar, KANPUR 208005

223 3012

Sethi Bhawan, 2nd Floor, Behind Leela Cinema, Naval Kishore Road,

261 8923

LUCKNOW 226001

H. No. 15, Sector-3, PARWANOO, Distt. Solan (H.P.) 173220

235 436

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240 2206

Patliputra Industrial Estate, PATNA 800013

226 2808

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2427 4804

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237 8251

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